



## Instructions for Use

# CAMPY THIOGLYCOLLATE

[Cat. no. K128](#)

Campy Thioglycollate, 16x100mm Tube, 6ml

20 tubes/box

## INTENDED USE

Hardy Diagnostics Campy Thioglycollate is a selective medium used to aid in the isolation of *Campylobacter* species from stool specimens.

## SUMMARY

*Campylobacter jejuni* has been isolated as the cause of bacterial enteritis. Campy Thioglycollate medium is used to aid in the isolation of *Campylobacter* species from stool specimens. Campy Thioglycollate contains a battery of antimicrobics that inhibit most normal flora which may overgrow *Campylobacter* species on conventional collection media.

## FORMULA

Ingredients per liter of deionized water:\*

Pancreatic Digest of Casein	17.0gm
Glucose	6.0gm
Papaic Digest of Soybean Meal	3.0gm
Sodium Chloride	2.5gm
Sodium Thioglycollate	0.5gm
Sodium Sulfite	0.1gm
Vancomycin	0.01gm
Trimethoprim	5.0mg
Amphotericin B	2.0mg
Polymyxin B	2,500U
Agar	1.6gm

Final pH 7.3 +/- 0.2 at 25°C.

\* Adjusted and/or supplemented as required to meet performance standards.

## STORAGE AND SHELF LIFE

Storage: Upon receipt store at 2-8°C away from direct light. Media should not be used if there are any signs of deterioration (shrinking, cracking, or discoloration), contamination, or if the expiration date has passed. Product is light and temperature sensitive; protect from light, excessive heat and freezing.

The expiration dating on the product label applies to the product in its intact packaging when stored as directed. The product may be used and tested up to the expiration date on the product label and incubated for the recommended quality control incubation times.

Refer to the document "[Storage](#)" for more information.

## PRECAUTIONS

This product may contain components of animal origin. Certified knowledge of the origin and/or sanitary state of the animals does not guarantee the absence of transmissible pathogenic agents. Therefore, it is recommended that these products be treated as potentially infectious, and handle observing the usual universal blood precautions. Do not ingest, inhale, or allow to come into contact with skin.

This product is for *in vitro* diagnostic use only. It is to be used only by adequately trained and qualified laboratory personnel. Observe approved biohazard precautions and aseptic techniques. All laboratory specimens should be considered infectious and handled according to "standard precautions." The "Guidelines for Isolation Precautions" is available from the Centers for Disease Control and Prevention at [www.cdc.gov/ncidod/dhqp/gl\\_isolation.html](http://www.cdc.gov/ncidod/dhqp/gl_isolation.html).

For additional information regarding specific precautions for the prevention of the transmission of all infectious agents from laboratory instruments and materials, and for recommendations for the management of exposure to infectious disease, refer to CLSI document M-29: *Protection of Laboratory Workers from Occupationally Acquired Infections: Approved Guideline*.

Sterilize all biohazard waste before disposal.

Refer to the document "[Precautions When Using Media](#)" for more information.

Refer to the document [SDS Search](#) instructions on the Hardy Diagnostics' website for more information.

## PROCEDURE

1. Inoculate Campy Thioglycollate directly with a clinical specimen suspected of containing *Campylobacter* species.
2. Incubate aerobically for 8 to 12 hours at 4°C.
3. Place one or two drops of the inoculated broth onto plated media appropriate for the cultivation of *Campylobacter* spp. (i.e., Campy CVA, Cat. no. A40).
4. Incubate at appropriate temperature and atmosphere. Most *Campylobacter* require a microaerophilic atmosphere.
5. Examine at 48-72 hours for the presence of colonies typical of *Campylobacter*.

## INTERPRETATION OF RESULTS

The growth of normal flora will be inhibited, improving the isolation of *Campylobacter* species.

## LIMITATIONS

It is recommended that biochemical, immunological, molecular, or mass spectrometry testing be performed on colonies from pure culture for complete identification.

Campy Thioglycollate is not intended to be used as a medium for identification of *Campylobacter* species.

Subculture to solid media is required for isolation. Additional biochemical tests are required for complete identification.

Refer to the document "[Limitations of Procedures and Warranty](#)" for more information.

## MATERIALS REQUIRED BUT NOT PROVIDED

Standard microbiological supplies and equipment such as loops, other culture media, swabs, applicator sticks, incinerators, and incubators, etc., as well as serological and biochemical reagents, are not provided.

## QUALITY CONTROL

Hardy Diagnostics tests each lot of commercially manufactured media using appropriate quality control microorganisms and quality specifications as outlined on the Certificates of Analysis (CofA). The following organisms are routinely used for testing at Hardy Diagnostics:

Test Organisms	Inoculation Method*	Incubation			Results
		Time	Temperature	Atmosphere	
<i>Campylobacter jejuni</i> *** ATCC® 33291	A	8-12hr	4°C	Aerobic	Growth upon subculture
<i>Proteus mirabilis</i> *** ATCC® 12453	B	8-12hr	4°C	Aerobic	Partial to complete inhibition upon subculture
<i>Staphylococcus aureus</i> *** ATCC® 25923	B	8-12hr	4°C	Aerobic	Partial to complete inhibition upon subculture

\* Refer to the document "[Inoculation Procedures for Media QC](#)" for more information.

\*\*\* Recommended QC strains for User Quality Control according to the CLSI document M22 when applicable.

**Note:** Campy Thioglycollate is inoculated with organism, incubated for 8-12 hours, then subcultured to a Campy CVA Agar plate, or similar Campy media. The Campy CVA Agar plate should show heavy growth of *Campylobacter* after 48-72 hours. *P. mirabilis* and *S. aureus* will show partial to complete inhibition.

## USER QUALITY CONTROL

End users of commercially prepared culture media should perform QC testing in accordance with applicable government regulatory agencies, and in compliance with accreditation requirements. Hardy Diagnostics recommends end users check for signs of contamination and deterioration and, if dictated by laboratory quality control procedures or regulation, perform quality control testing to demonstrate growth or a positive reaction and to demonstrate inhibition or a negative reaction, if applicable. Hardy Diagnostics quality control testing is documented on the certificates of analysis (CofA) available from Hardy Diagnostics [Certificates of Analysis](#) website. In addition, refer to the following document "[Finished Product Quality Control Procedures](#)," for more information on QC or see reference(s) for more specific information.

## PHYSICAL APPEARANCE

Campy Thioglycollate should appear clear, and medium amber in color.

## REFERENCES

1. Jorgensen., et al. *Manual of Clinical Microbiology*, American Society for Microbiology, Washington, D.C.
2. Tille, P., et al. *Bailey and Scott's Diagnostic Microbiology*, C.V. Mosby Company, St. Louis, MO.

3. Blaser, Martin, et al. 1978. *Campylobacter enteritis* associated with canine infection. *The Lancet.*; 2:979-980.

ATCC is a registered trademark of the American Type Culture Collection.

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[Ordering Information](#)

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